

**ABSTRACT OF THE DISCLOSURE**

5

Gas Turbomachinery Generator

Gas turbomachinery electricity generation apparatus includes a gas turbomachinery arrangement having an associated rotary drive take-off, an electricity generating 10 arrangement which includes a first generator stage including a first generator rotor and generator stator arrangement; a second generator stage including a second generator rotor and generator stator arrangement, at least one of the first and second generator stage rotors is 15 driven by the rotary drive take-off.